

Johanna Irrgeher

List of Publications by Year in descending order

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36
papers

1,620
citations

623188

14
h-index

377514

34
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39
all docs

39
docs citations

39
times ranked

2156
citing authors

#	ARTICLE	IF	CITATIONS
1	A double-spike MC TIMS measurement procedure for low-amount Ca isotopic analysis of limited biological tissue samples. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 675-689.	1.9	3
2	Analysis of Seventeen Certified Water Reference Materials for Trace and Technology-Critical Elements. <i>Geostandards and Geoanalytical Research</i> , 2022, 46, 351-378.	1.7	6
3	Selective Diffusive Gradients in Thin Films (DGT) for the Simultaneous Assessment of Labile Sr and Pb Concentrations and Isotope Ratios in Soils. <i>Analytical Chemistry</i> , 2022, 94, 6338-6346.	3.2	3
4	Low-level ⁴⁰ Ca determinations using nitrous oxide with reaction cell inductively coupled plasma-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 7495-7502.	1.9	2
5	Assessing the potential of online ICP-MS analysis to optimize Ca/matrix separation using DGA Resin for subsequent isotopic analysis. <i>Monatshefte für Chemie</i> , 2021, 152, 401-410.	0.9	1
6	Concomitant oral intake of purified clinoptilolite tuff (G-PUR) reduces enteral lead uptake in healthy humans. <i>Scientific Reports</i> , 2021, 11, 14796.	1.6	8
7	Lifetime mobility of an Arctic woolly mammoth. <i>Science</i> , 2021, 373, 806-808.	6.0	27
8	Development of a Mobile Module-Based Wind Tunnel for the Determination of Collection Efficiencies of Particulate Matter on Surface Structures. <i>Sustainability</i> , 2021, 13, 9565.	1.6	2
9	Zinc isotopic variation of water and surface sediments from the German Elbe River. <i>Science of the Total Environment</i> , 2020, 707, 135219.	3.9	14
10	Ancient DNA reveals monozygotic newborn twins from the Upper Palaeolithic. <i>Communications Biology</i> , 2020, 3, 650.	2.0	25
11	Characterization of alloying components in galvanic anodes as potential environmental tracers for heavy metal emissions from offshore wind structures. <i>Chemosphere</i> , 2020, 257, 127182.	4.2	27
12	Sub-millimeter distribution of labile trace element fluxes in the rhizosphere explains differential effects of soil liming on cadmium and zinc uptake in maize. <i>Science of the Total Environment</i> , 2020, 738, 140311.	3.9	16
13	Metallic resources in smartphones. <i>Resources Policy</i> , 2020, 68, 101750.	4.2	23
14	Chemometric tools for determining site-specific elemental and strontium isotopic fingerprints in raw and salted sturgeon caviar. <i>European Food Research and Technology</i> , 2019, 245, 2515-2528.	1.6	7
15	Analysis of ⁸⁷ Sr/ ⁸⁶ Sr, ⁸⁸ Sr/ ⁸⁶ Sr and elemental pattern to characterise groundwater and recharge of saline ponds in a clastic aquifer in East Austria. <i>Isotopes in Environmental and Health Studies</i> , 2019, 55, 179-198.	0.5	3
16	Extreme spatial variation of Sr, Nd and Pb isotopic signatures and 48 element mass fractions in surface sediment of the Elbe River Estuary - Suitable tracers for processes in dynamic environments?. <i>Science of the Total Environment</i> , 2019, 668, 512-523.	3.9	22
17	Matrix separation of Sr and Pb for isotopic ratio analysis of Ca-rich samples via an automated simultaneous separation procedure. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 151, 54-64.	1.5	10
18	A combined chemical imaging approach using (MC) LA-ICP-MS and NIR-HSI to evaluate the diagenetic status of bone material for Sr isotope analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 565-580.	1.9	7

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19	Development of a versatile analytical protocol for the comprehensive determination of the elemental composition of smartphone compartments on the example of printed circuit boards. <i>Analytical Methods</i> , 2018, 10, 3864-3871.	1.3	13
20	The potential of isotopically enriched magnesium to study bone implant degradation in vivo. <i>Acta Biomaterialia</i> , 2017, 51, 526-536.	4.1	47
21	Optimisation of an extraction/leaching procedure for the characterisation and quantification of titanium dioxide (TiO ₂) nanoparticles in aquatic environments using SdFFF-ICP-MS and SEM-EDX analyses. <i>Analytical Methods</i> , 2017, 9, 3626-3635.	1.3	13
22	Isotope pattern deconvolution of different sources of stable strontium isotopes in natural systems. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 2300-2307.	1.6	8
23	A fully automated simultaneous single-stage separation of Sr, Pb, and Nd using DGA Resin for the isotopic analysis of marine sediments. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5463-5480.	1.9	43
24	Atomic weights of the elements 2013 (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2016, 88, 265-291.	0.9	518
25	⁸⁷ Sr/ ⁸⁶ Sr isotope ratio measurements by laser ablation multicollector inductively coupled plasma mass spectrometry: Reconsidering matrix interferences in biapatites and biogenic carbonates. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 125, 31-42.	1.5	39
26	The performance of single and multi-collector ICP-MS instruments for fast and reliable ³⁴ S/ ³² S isotope ratio measurements. <i>Analytical Methods</i> , 2016, 8, 7661-7672.	1.3	11
27	Simultaneous multi-element and isotope ratio imaging of fish otoliths by laser ablation split stream ICP-MS/MC ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1612-1621.	1.6	27
28	Evaluation strategies and uncertainty calculation of isotope amount ratios measured by MC-ICP-MS on the example of Sr. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 351-367.	1.9	43
29	Applications of isotopes in analytical ecogeochemistry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 341-343.	1.9	0
30	Isotopic compositions of the elements 2013 (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2016, 88, 293-306.	0.9	534
31	Application of non-traditional stable isotopes in analytical ecogeochemistry assessed by MC-ICP-MS—A critical review. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 369-385.	1.9	37
32	Individual-specific transgenerational marking of common carp <i>Cyprinus carpio</i> , L., using ⁸⁶ Sr/ ⁸⁴ Sr double spikes. <i>Marine and Freshwater Research</i> , 2014, 65, 978.	0.7	11
33	Analytical factors to be considered for the application of enriched strontium spikes to monitor biological systems. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 193-200.	1.6	10
34	Transgenerational marking of brown trout <i>Salmo trutta</i> f.f. using an ⁸⁴ Sr spike. <i>Fisheries Management and Ecology</i> , 2013, 20, 354-361.	1.0	13
35	Determination of strontium isotope amount ratios in biological tissues using MC-ICPMS. <i>Analytical Methods</i> , 2013, 5, 1687.	1.3	45
36	Microchemical provenancing of prey remains in cormorant pellets reveals the use of diverse foraging grounds. <i>Journal of Wildlife Management</i> , 0, , .	0.7	0